

## Round 1 - Practice Question

How many 8's must be added together to make a sum between 110 and 115?

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**School Code**

**Answer**

## Round 2 - Practice Question

How many 8's must be added together to make a sum between 110 and 115?

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**School Code**

**Answer**

## Round 1 - Question 1

The total value of 75 nickels is equal to the total value of how many quarters?

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**School Code**

**Answer**

## Round 2 - Question 1

If a @ b is defined as  $a^2 - b^2$ , what is  $3 @ (2 @ 1)$ ?

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**School Code**

**Answer**

## Round 1 - Question 2

A family buys a half-dozen eggs per week for three weeks. For the next two weeks, they buy one dozen eggs per week. Then they buy 2 dozen eggs in one week. On the average, how many eggs per week did they purchase?

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**School Code**

**Answer**

## Round 2 - Question 2

Tanya has \$3.40 in nickels, dimes, and quarters. If she has seven quarters and four dimes, how many nickels does she have?

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**School Code**

**Answer**

## Round 1 - Question 3

Tucker has 60 coins. One third of the coins are dimes, one fourth of the coins are quarters, and the rest of the coins are nickels. What is the total value of Tucker's nickels?

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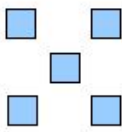
Answer

## Round 2 - Question 3

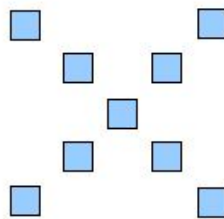
If the following pattern continues, how many squares will there be in the 8th group?



1



2



3

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School Code

Answer

## Round 1 - Question 4

When you multiply five million times four billion the answer is “2” followed by how many zeroes?

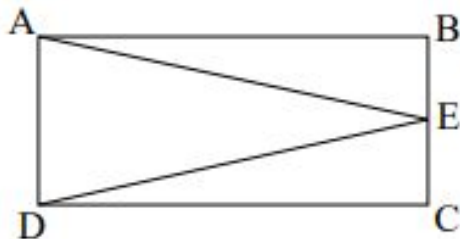
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School Code

Answer

## Round 2 - Question 4

If the perimeter of rectangle ABCD is 160 inches and  $CD = 50$  inches, what is the area of triangle AED?



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School Code

Answer

## Round 1 - Question 5

If 12 is added to half a number, the result is twice the number. What is the number?

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School Code

Answer

## Round 2 - Question 5

What is the product of the two missing numbers that make these equations true?

$$5 = \frac{35}{\square} = \frac{\square}{15}$$

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School Code

Answer

## Round 1 - Question 6

Katherine is knitting a baby blanket that requires 725 yards of yarn. There are 160 yards of yarn in each ball. If Katherine purchases enough balls to complete the blanket, how much yarn will she have left over?

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**School Code**

**Answer**

## Round 2 - Question 6

A pencil and 5 paper clips weigh the same as 2 erasers. A pencil weighs the same as 29 paper clips. How many paper clips weigh the same as an eraser?

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**School Code**

**Answer**

## Round 1 - Question 7

The sum of two consecutive numbers is 35. What is the product of the two numbers?

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**School Code**

**Answer**

## Round 2 - Question 7

Kameron needs to read a book with 270 pages. If one-sixth of the pages are full of pictures, how many pages should he read each day if he has to finish in nine days?

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**School Code**

**Answer**

## Round 1 - Question 8

By exchanging the positions of two digits in the number **965,142**, the new number is **19,980** smaller than the original number. What is the sum of the two digits exchanged?

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**Answer**

## Round 2 - Question 8

Barry has a job that pays him \$12.25 an hour. He worked four hours this week and spent half of his earnings for lunches and half of what was left went into savings. How much money is available for other expenses?

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**School Code**

**Answer**

## Round 1 - Question 9

Nancy's mom weighs twice as much as Nancy. Nancy's mom weighs 3 times as much as Larry. If Nancy weighs 60 pounds, how much does Larry weigh?

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**School Code**

**Answer**

## Round 2 - Question 9

If the sum of the areas of three squares is 50, and if the sides of each square are consecutive numbers, what is the perimeter of the smallest square?

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**School Code**

**Answer**

## Round 1 - Question 10

In the “magic” square shown, the sums of the numbers in every row and column are equal. What number should appear in the empty box?

34	153	68
119	85	
102	17	136

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**School Code**

**Answer**

## Round 2 - Question 10

How many different ways can you rearrange the digits of 1234 to form a number greater than 1234?

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**School Code**

**Answer**

# Tiebreaker 1

Multiply 192 by 643.

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**School Code**

**Answer**

# Tiebreaker 2

What is  $(12 + 10 + 8 + 6 + 4 + 2)$  divided by  $(6 + 5 + 4 + 3 + 2 + 1)$ ?

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**School Code**

**Answer**

## Round 1 Answers

1. 15
2. 11
3. 125¢ or \$1.25
4. 16
5. 8
6. 75 yds
7. 306
8. 10
9. 40 pounds
10. 51

Practice: 14

## Round 2 Answers

1. 0
2. 25
3. 29
4. 750 sq. in.
5. 525
6. 17
7. 25
8. \$12.25
9. 12
10. 23

## Tiebreaker Answers

1. 123456
2. 2